



## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2022-0395; Project Identifier MCAI-2021-01048-T; Amendment 39-22272; AD 2022-25-16]**

**RIN 2120-AA64**

#### **Airworthiness Directives; ATR-GIE Avions de Transport Régional Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** The FAA is superseding Airworthiness Directive (AD) 2018-18-05, which applied to certain ATR–GIE Avions de Transport Régional Model ATR42-200, -300, and -320 airplanes; and AD 2020-09-16, which applied to all ATR-GIE Avions de Transport Régional Model ATR42-200, -300, and -320 airplanes. AD 2018-18-05 and AD 2020-09-16 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. This AD is prompted by a determination that additional new or more restrictive airworthiness limitations are necessary. This AD retains the requirements of AD 2020-09-16. This AD also requires revising the existing maintenance or inspection program, as applicable, to incorporate additional new or more restrictive maintenance requirements and airworthiness limitations, as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain publications listed in this AD as of [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of June 22, 2020 (85 FR 29596, May 18, 2020).

**ADDRESSES:**

*AD Docket:* You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0395; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

*Material Incorporated by Reference:*

- For material incorporated by reference in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); website [easa.europa.eu](https://easa.europa.eu). You may find this material on the EASA website at [ad.easa.europa.eu](https://ad.easa.europa.eu).

- You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available in the AD docket at [regulations.gov](https://www.regulations.gov) by searching for and locating Docket No. FAA-2022-0395.

**FOR FURTHER INFORMATION CONTACT:** Shahram Daneshmandi, Aerospace Engineer, Large Aircraft Section, FAA, International Validation Branch, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-3220; email

## **SUPPLEMENTARY INFORMATION:**

### **Background**

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2018-18-05, Amendment 39-19384 (83 FR 44463, August 31, 2018) (AD 2018-18-05), which applied to certain ATR-GIE Avions de Transport Régional Model ATR42-200, -300, and -320 airplanes; and AD 2020-09-16, Amendment 39-19912 (85 FR 29596, May 18, 2020) (AD 2020-09-16), which applied to all ATR-GIE Avions de Transport Régional Model ATR42-200, -300, and -320 airplanes.

AD 2018-18-05 and AD 2020-09-16 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. AD 2020-09-16 also specified that accomplishing the maintenance or inspection program revision required by paragraph (g) of that AD terminates the requirements of AD 2018-18-05. The FAA issued AD 2018-18-05 and AD 2020-09-16 to prevent reduced structural integrity of the airplane.

The NPRM published in the *Federal Register* on April 6, 2022 (87 FR 19818). The NPRM was prompted by AD 2021-0211, dated September 17, 2021, issued by EASA, which is the Technical Agent for the Member States of the European Union (EASA AD 2021-0211) to correct an unsafe condition.

In the NPRM, the FAA proposed to retain the requirements of AD 2020-09-16. The NPRM also proposed to require revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in EASA AD 2021-0211.

The FAA issued a supplemental notice of proposed rulemaking (SNPRM) to amend 14 CFR part 39 to supersede AD 2018-18-05 and AD 2020-09-16. The SNPRM published in the *Federal Register* on September 23, 2022 (87 FR 58038) (the SNPRM).

The SNPRM was prompted by a determination that additional new or more restrictive airworthiness limitations are necessary; these limitations are specified in EASA AD 2022-0062, dated April 8, 2022 (EASA AD 2022-0062) (also referred to as the MCAI), which superseded EASA AD 2021-0211. In the SNPRM, the FAA proposed to retain the requirements of AD 2020-09-16. The SNPRM also proposed to require revising the existing maintenance or inspection program, as applicable, to incorporate additional new or more restrictive maintenance requirements and airworthiness limitations, as specified in EASA AD 2022-0062. The FAA is issuing this AD to prevent reduced structural integrity of the airplane.

You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0395.

## **Discussion of Final Airworthiness Directive**

### **Comments**

The FAA received a comment from the Air Line Pilots Association, International (ALPA), who supported the SNPRM without change.

### **Conclusion**

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA reviewed the relevant data, considered the comment received, and determined that air safety requires adopting the AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on this product. This AD is adopted as proposed in the SNPRM.

## **Related Service Information under 1 CFR Part 51**

EASA AD 2022-0062 describes new or more restrictive maintenance tasks and airworthiness limitations for airplane structures and components.

This AD also requires EASA AD 2019-0256, dated October 17, 2019, which the Director of the Federal Register approved for incorporation by reference as of June 22, 2020 (85 FR 29596, May 18, 2020).

This material is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in ADDRESSES.

### **Costs of Compliance**

The FAA estimates that this AD affects 26 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

The FAA estimates the total cost per operator for the retained actions from AD 2020-09-16 to be \$7,650 (90 work-hours x \$85 per work-hour).

The FAA has determined that revising the existing maintenance or inspection program takes an average of 90 work-hours per operator, although the agency recognizes that this number may vary from operator to operator. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), the FAA has determined that a per-operator estimate is more accurate than a per-airplane estimate.

The FAA estimates the total cost per operator for the new actions to be \$7,650 (90 work-hours x \$85 per work-hour).

### **Authority for this Rulemaking**

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency's authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds

necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### **Regulatory Findings**

The FAA has determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

### **List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### **The Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

### **PART 39 - AIRWORTHINESS DIRECTIVES**

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

#### **§ 39.13 [Amended]**

- 2. The FAA amends § 39.13 by:

- a. Removing Airworthiness Directive 2018-18-05, Amendment 39-19384 (83 FR 44463, August 31, 2018); and AD 2020-09-16, Amendment 39-19912 (85 FR 29596, May 18, 2020); and

b. Adding the following new airworthiness directive:

**2022-25-16 ATR-GIE Avions de Transport Régional:** Amendment 39-22272; Docket No. FAA-2022-0395; Project Identifier MCAI-2021-01048-T.

**(a) Effective Date**

This airworthiness directive (AD) is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

This AD replaces AD 2018-18-05, Amendment 39-19384 (83 FR 44463, August 31, 2018) (AD 2018-18-05); and AD 2020-09-16, Amendment 39-19912 (85 FR 29596, May 18, 2020) (AD 2020-09-16).

**(c) Applicability**

This AD applies to all ATR-GIE Avions de Transport Régional Model ATR42-200, -300, and -320 airplanes, certificated in any category.

**(d) Subject**

Air Transport Association (ATA) of America Code 05, Time Limits/Maintenance Checks.

**(e) Unsafe Condition**

This AD was prompted by a determination that new or more restrictive airworthiness limitations are necessary. The FAA is issuing this AD to prevent reduced structural integrity of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Retained Revision of the Existing Maintenance or Inspection Program, with New Terminating Action**

This paragraph restates the requirements of paragraph (g) of AD 2020-09-16, with a new terminating action. Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European

Union Aviation Safety Agency (EASA) AD 2019-0256, dated October 17, 2019 (EASA AD 2019-0256). Accomplishing the revision of the existing maintenance or inspection program required by paragraph (j) of this AD terminates the requirements of this paragraph.

**(h) Retained Exceptions to EASA AD 2019-0256, with No Changes**

This paragraph restates the exceptions specified in paragraph (h) of AD 2020-09-16, with no changes.

(1) The requirements specified in paragraphs (1) and (3) of EASA AD 2019-0256 do not apply to this AD.

(2) Where paragraph (2) of EASA AD 2019-0256 refers to its effective date, this AD requires using June 22, 2020 (the effective date of AD 2020-09-16).

(3) Paragraph (4) of EASA AD 2019-0256 specifies revising “the approved AMP” within 12 months after its effective date, but this AD requires revising the existing maintenance or inspection program, as applicable, to incorporate the “limitations, tasks and associated thresholds and intervals” specified in paragraph (4) of EASA AD 2019-0256 within 90 days after June 22, 2020 (the effective date of AD 2020-09-16).

(4) The initial compliance time for doing the tasks specified in paragraph (4) of EASA AD 2019-0256 is at the applicable “associated thresholds” specified in paragraph (4) of EASA AD 2019-0256, or within 90 days after June 22, 2020 (the effective date of AD 2020-09-16), whichever occurs later.

(5) The provisions specified in paragraphs (5) and (6) of EASA AD 2019-0256 do not apply to this AD.

(6) This AD does not adopt the “Remarks” section of EASA AD 2019-0256.

**(i) Retained Restrictions on Alternative Actions, Intervals, and Critical Design Configuration Control Limitations (CDCCLs), with New Exception**

This paragraph restates the requirements of paragraph (i) of AD 2020-09-16, with a new exception. Except as required by paragraph (j) of this AD, after the existing



maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections), intervals, and CDCCLs are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2019-0256.

**(j) New Revision of the Existing Maintenance or Inspection Program**

Except as specified in paragraph (k) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, EASA AD 2022-0062, dated April 8, 2022 (EASA AD 2022-0062). Accomplishing the revision of the existing maintenance or inspection program required by this paragraph terminates the requirements of paragraph (g) of this AD.

**(k) Exceptions to EASA AD 2022-0062**

(1) The requirements specified in paragraph (1) and (2) of EASA AD 2022-0062 do not apply to this AD.

(2) Paragraph (3) of EASA AD 2022-0062 specifies revising “the approved AMP” within 12 months after its effective date, but this AD requires revising the existing maintenance or inspection program, as applicable, within 90 days after the effective date of this AD.

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA AD 2022-0062 is at the applicable “limitations” and “associated thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2022-0062, or within 90 days after the effective date of this AD, whichever occurs later.

(4) The provisions specified in paragraphs (4) and (5) of EASA AD 2022-0062 do not apply to this AD.

(5) This AD does not adopt the “Remarks” section of EASA AD 2022-0062.

## **(l) New Provisions for Alternative Actions, Intervals, and CDCCLs**

After the existing maintenance or inspection program has been revised as required by paragraph (j) of this AD, no alternative actions (e.g., inspections), intervals, and CDCCLs are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2022-0062.

## **(m) Additional AD Provisions**

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the International Validation Branch, send it to the attention of the person identified in paragraph (n) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Validation Branch, FAA; or EASA; or ATR-GIE Avions de Transport Régional’s EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

## **(n) Additional Information**

For more information about this AD, contact Shahram Daneshmandi, Aerospace Engineer, Large Aircraft Section, FAA, International Validation Branch, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-3220; email shahram.daneshmandi@faa.gov.

**(o) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(3) The following service information was approved for IBR on [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(i) European Union Aviation Safety Agency (EASA) AD 2022-0062, dated April 8, 2022 (EASA AD 2022-0062).

(ii) [Reserved]

(4) The following service information was approved for IBR on June 22, 2020 (85 FR 29596, May 18, 2020).

(i) EASA AD 2019-0256, dated October 17, 2019.

(ii) [Reserved]

(5) For EASA ADs 2022-0062 and 2019-0256, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); website [easa.europa.eu](http://easa.europa.eu). You may find these EASA ADs on the EASA website at [ad.easa.europa.eu](http://ad.easa.europa.eu).

(6) You may view this service information at FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(7) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov), or go to: [www.archives.gov/federal-register/cfr/ibr-locations.html](http://www.archives.gov/federal-register/cfr/ibr-locations.html).

Issued on December 1, 2022.

Christina Underwood, Acting Director,  
Compliance & Airworthiness Division,  
Aircraft Certification Service.

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